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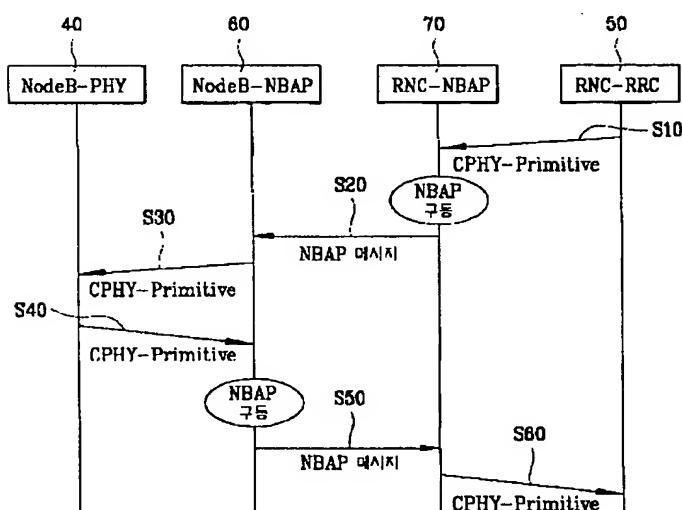(30) Priority:

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  METHOD FOR OPERATING INTERFACE BETWEEN LOGICAL NODE AND RADIO
NETWORK CONTROLLER OF UNIVERSAL MOBILE TELECOMMUNICATION SYSTEM

Representative drawing

(57) Abstract:

PURPOSE: A method for operating an interface between a logical node (NodeB) and a radio network controller(RNC) of a universal mobile telecommunication system(UMTS) is provided to reliably and effectively operate the interface between the RNC and the NodeB using an NBAP(NodeB Application Protocol) without the correction of a protocol layer structure for a wireless interface of the conventional UMTS.

CONSTITUTION: An RNC-RRC(Radio Resource Control Layer)(50) transmits a control and state report primitive (CPHY-Primitive) to an RNC-NBAP(70) for controlling a NodeB-PHY(Physical Layer)(40). The RNC-NBAP(70) converts the received CPHY-

Primitive into an NBAP message and transmits the converted NBAP message to an object NodeB-NBAP(60)(S20). The NodeB-NBAP(60) converts the received message into the CPHY-Primitive and transmits the converted CPHY-Primitive to the NodeB-PHY(40)(S30). The NodeB-PHY(40) receives the CPHY-Primitive from the RNC-RRC(50), drives the NodeB-NBAP(60), and transmits a response to the received CPHY-Primitive to the RNC-RRC(50)(S40-S60).

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